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Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.: ID01152 SERIAL NO.: 09/825,423

APPLICANT:
Patricia C. Weber, et al.

FILING DATE:
April 3, 2001 GROUP:

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
AA	5,989,827	11/23/99	Fesik et al.			
AB						
AC						

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUB-	TRANSLATION
AD						
AE						
AF						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AG	Che et al., JBC 273:15045-15052 (1998)
AH	de la Cruz et al., TIBS 24:192-198 (1999)
AI	Fields Virology, 3 rd ed. (B.N. Fields et al., eds., Raven, New York, 1996) p. 615
AJ	Gorbalenya et al., FEBS Lett 235:16-24 (1988)
AK	Gorbalenya and Koenin, Curr Opin Struct Biol 3:419-429 (1993)
AL	Grakoui et al., J Virol 67:1385-1395 (1993)
AM	Howe et al., Protein Science 8:1332-1341 (1999)
AN	Jankowsky et al., Nature 403:447-451 (2000)
AO	Kaderé and Haenni, J Virol 71:2583-2590 (1997)
AP	Kim et al., Structure 156:89-100 (1998)
AQ	Kim et al., Virus Res 49:17-25 (1997)
AR	Koonin and Dolja, Crit Rev Biochem Mol 28:375-430 (1993)
AS	Korolev et al., Protein Science 7:605-610 (1998)
AT	Lohmann et al., J Hepatol 24:11-19 (1996)
AU	Pause and Sonenberg, Curr Opin Struct Biol 3:953-959 (1993)
AV	Shuker et al., Science 274:1531-1534 (1996)
AW	Suzich et al., J Virol 67:6152-6158 (1993)
AX	Yau et al., Nat Struct Biol 4:463-467 (1997)

EXAMINER

DATE CONSIDERED

6/13/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
DS	AA 5,989,827	11/23/99	Fesik et al.			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DS	AG	Cho et al., "Crystal structure of RNA helicase from genotype 1b hepatitis C virus. A feasible mechanism of unwinding duplex RNA." <i>J Biol Chem.</i> 1998 Jun 12; 273(24):15045-52.
	AH	de la Cruz et al., "Unwinding RNA in <i>Saccharomyces cerevisiae</i> : DEAD-box proteins and related families", <i>Trends Biochem Sci.</i> 1999 May; 24(5):192-8. Review.
	AI	<i>Fields Virology</i> , 3 rd Ed. (B.N. Fields et al., eds., Raven, New York, 1996) p. 615.
	AJ	Gorbalenya et al., "A novel superfamily of nucleoside triphosphate-binding motif containing proteins which are probably involved in duplex unwinding in DNA and RNA replication and recombination." <i>FEBS Lett.</i> 1988 Aug 1; 235(1-2):16-24. Review.
	AK	Gorbalenya and Koonin, "Helicases: amino acid sequence comparisons and structure-function relationships", <i>Current Opinion in Structural Biology</i> , 1993 3:419-429.
	AL	Grakoui et al., "Expression and identification of hepatitis C virus polyprotein cleavage products", <i>J Virol.</i> 1993 Mar; 67(3):1385-95.
	AM	Howe et al., "A novel recombinant single-chain hepatitis C virus NS3-NS4A protein with improved helicase activity", <i>Protein Sci.</i> 1999 Jun; 8(6):1332-41.
	AN	Jankowsky et al., "The DExH protein NPH-II is a processive and directional motor for unwinding RNA", <i>Nature</i> . 2000 Jan 27; 403(6768):447-51.
	AO	Kadaré and Haenni, "Virus-encoded RNA helicases" <i>J Virol.</i> 1997 Apr; 71(4):2583-90. Review. No abstract available.
	AP	Kim et al., "Hepatitis C virus NS3 RNA helicase domain with a bound oligonucleotide: the crystal structure provides insights into the mode of unwinding", <i>Structure</i> 6(1):89-100 (1998)
	AQ	Kim et al., "Towards defining a minimal functional domain for NTPase and RNA helicase activities of the hepatitis C virus NS3 protein", <i>Virus Res.</i> 1997 May; 49(1):17-25.
	AR	Koonin and Dolja, "Evolution and taxonomy of positive-strand RNA viruses: implications of comparative analysis of amino acid sequences", <i>Crit Rev Biochem Mol Biol.</i> 1993; 28(5):375-430. Review. Erratum in: <i>Crit Rev Biochem Mol Biol</i> 1993; 28(6):546.
	AS	Korolev et al., "Comparisons between the structures of HCV and Rep helicases reveal structural similarities between SF1 and SF2 super-families of helicases", <i>Protein Sci.</i> 1998 Mar; 7(3):605-10.
	AT	Lohmann et al., "Processing pathways of the hepatitis C virus proteins", <i>J Hepatol.</i> 1996; 24(2 Suppl):11-9. Review.
	AU	Pause and Sonenberg, "Helicases and RNA unwinding in translation", <i>Curr Opin in Struct Biol</i> 3:953-959 (1993).
	AV	Shuker et al., "Discovering high-affinity ligands for proteins: SAR by NMR", <i>Science</i> . 1996 Nov 29; 274(5292):1531-4.
	AW	Suzich et al., "Hepatitis C virus NS3 protein polynucleotide-stimulated nucleoside triphosphatase and comparison with the related pestivirus and flavivirus enzymes.", <i>J Virol.</i> 1993 Oct; 67(10):6152-8.
DS	AX	Yao et al., "Structure of the hepatitis C virus RNA helicase domain", <i>Nat Struct Biol.</i> 1997 Jun; 4(6):463-7.

EXAMINER

DATE CONSIDERED

3-1-06

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